

Andrew Freistein 10/766,086

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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

|              |    |         |  |
|--------------|----|---------|--|
| NEWS         | 1  |         | Web Page URLs for STN Seminar Schedule - N. America  |
| NEWS         | 2  |         | "Ask CAS" for self-help around the clock   |
| NEWS         | 3  | JUL 20  | Powerful new interactive analysis and visualization software, STN AnaVist, now available   |
| NEWS         | 4  | AUG 11  | STN AnaVist workshops to be held in North America  |
| NEWS         | 5  | AUG 30  | CA/CAPLUS - Increased access to 19th century research documents  |
| NEWS         | 6  | AUG 30  | CASREACT - Enhanced with displayable reaction conditions   |
| NEWS         | 7  | SEP 09  | ACD predicted properties enhanced in REGISTRY/ZREGISTRY  |
| NEWS         | 8  | OCT 03  | MATHDI removed from STN  |
| NEWS         | 9  | OCT 04  | CA/CAPLUS-Canadian Intellectual Property Office (CIPO) added to core patent offices  |
| NEWS         | 10 | OCT 06  | STN AnaVist workshops to be held in North America  |
| NEWS         | 11 | OCT 13  | New CAS Information Use Policies Effective October 17, 2005  |
| NEWS         | 12 | OCT 17  | STN(R) AnaVist(TM), Version 1.01, allows the export/download of CAPLUS documents for use in third-party analysis and visualization tools |
| NEWS         | 13 | OCT 27  | Free KWIC format extended in full-text databases   |
| NEWS         | 14 | OCT 27  | DIOGENES content streamlined   |
| NEWS         | 15 | OCT 27  | EPFULL enhanced with additional content  |
| NEWS EXPRESS |    | JUNE 13 | CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005 |
| NEWS HOURS   |    |         | STN Operating Hours Plus Help Desk Availability  |
| NEWS INTER   |    |         | General Internet Information   |
| NEWS LOGIN   |    |         | Welcome Banner and News Items  |
| NEWS PHONE   |    |         | Direct Dial and Telecommunication Network Access to STN  |
| NEWS WWW     |    |         | CAS World Wide Web Site (general information)  |

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 09:20:33 ON 11 NOV 2005

=> file reg

11/11/2005

Page 1

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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 0.21             | 0.21          |

FILE 'REGISTRY' ENTERED AT 09:20:41 ON 11 NOV 2005  
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Property values tagged with IC are from the ZIC/VINITI data file  
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STRUCTURE FILE UPDATES: 9 NOV 2005 HIGHEST RN 867140-95-2  
DICTIONARY FILE UPDATES: 9 NOV 2005 HIGHEST RN 867140-95-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

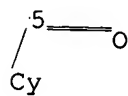
REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
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on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

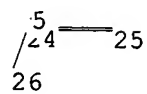
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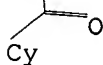
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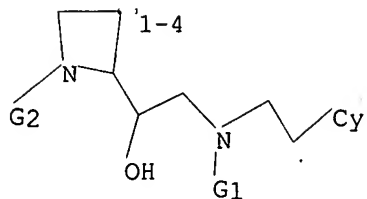
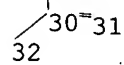
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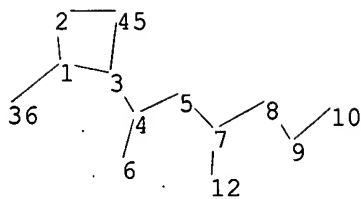
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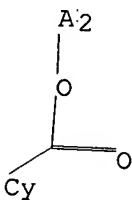
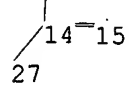
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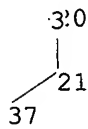
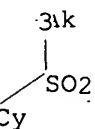
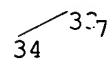
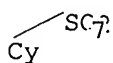
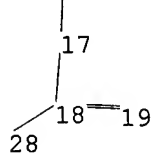
O1



11



12



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```
chain nodes :
4 5 6 7 8 9 10 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
27 28 29 30 31 32 33 34 36 37
ring nodes :
1 2 3 45
chain bonds :
1-36 3-4 4-5 4-6 5-7 7-8 7-12 8-9 9-10 13-14 14-15 14-27 16-17 17-18
18-19 18-28 20-21 21-37 22-23 24-25 24-26 29-30 30-31 30-32 33-34
ring bonds :
1-3 1-2 2-45 3-45
exact/norm bonds :
1-3 1-2 1-36 2-45 3-45 4-6 5-7 7-8 7-12 9-10 13-14 14-15 14-27 16-17
17-18 18-19 18-28 20-21 21-37 22-23 24-25 24-26 29-30 30-31 30-32 33-34
exact bonds :
3-4 4-5 8-9
```

G1:H,Ak

G2:[\*1],[\*2],[\*3],[\*4],[\*5],[\*6],[\*7]

```
Match level :
1:Atom 2:Atom 3:Atom 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:Atom 24:CLASS 25:CLASS 26:Atom
27:Atom 28:Atom 29:CLASS 30:CLASS 31:CLASS 32:Atom 33:CLASS 34:Atom
36:CLASS 37:Atom 45:Atom
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L1 STRUCTURE UPLOADED

=> s 11

SAMPLE SEARCH INITIATED 09:21:01 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 2552 TO ITERATE

78.4% PROCESSED 2000 ITERATIONS 11 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 48010 TO 54070  
PROJECTED ANSWERS: 56 TO 504

L2 11 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 09:21:10 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 52190 TO ITERATE

100.0% PROCESSED 52190 ITERATIONS 250 ANSWERS  
SEARCH TIME: 00.00.04

L3 250 SEA SSS FUL L1

=> file hcaplus  
COST IN U.S. DOLLARS

SINCE FILE TOTAL  
ENTRY SESSION

11/11/2005

Page 4

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FULL ESTIMATED COST

161.33

161.54

FILE 'HCAPLUS' ENTERED AT 09:21:20 ON 11 NOV 2005

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FILE COVERS 1907 - 11 Nov 2005 VOL 143 ISS 20

FILE LAST UPDATED: 9 Nov 2005 (20051109/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 4 L3

=> d ibib

L4 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:675718 HCAPLUS

DOCUMENT NUMBER: 141:207050

TITLE: Preparation of pyrrolidinyldihydroxyethylarylethylamines and related compounds as calcium sensing receptor modulators

INVENTOR(S): Gavai, Ashvinikumar V.; Vaz, Roy J.; Dickson, John K., Jr.; Roberge, Jacques Y.; Wang, Wu; Gungor, Timur; Corte, James R.; Rotella, David P.; Wang, Yufeng; Wu, Yang

PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA

SOURCE: PCT Int. Appl., 125 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.    | KIND   | DATE     | APPLICATION NO. | DATE     |
|---------------|--|----------|-----------------|----------|
| -----         | ---  | -----    | -----           | -----    |
| WO 2004069793 | A2   | 20040819 | WO 2004-US2296  | 20040127 |
| WO 2004069793 | A3   | 20050120 |                 |          |
| W:            | AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ, MZ, NA, NI |          |                 |          |

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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,  
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,  
MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG

US 2004229860 A1 20041118 US 2004-766086 20040127  
PRIORITY APPLN. INFO.: US 2003-443255P P 20030128  
OTHER SOURCE(S): MARPAT 141:207050

=> d ibib hitstr 2-3

L4 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:513717 HCAPLUS

DOCUMENT NUMBER: 133:129895

TITLE: Compounds which inhibit leukocyte adhesion mediated by  
VLA-4

INVENTOR(S): Ashwell, Susan; Baudy, Reinhardt Bernhard; Pleiss,  
Michael A.; Sarantakis, Dimitrios; Thorsett, Eugene D.

PATENT ASSIGNEE(S): Elan Pharmaceuticals, Inc., USA; American Home  
Products Corporation

SOURCE: PCT Int. Appl., 163 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE        |
|--|------|----------|-----------------|-------------|
| WO 2000043415  | A1   | 20000727 | WO 2000-US1603  | 20000121    |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,<br>CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,<br>IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,<br>MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,<br>SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,<br>AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |             |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,<br>DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,<br>CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |      |          |                 |             |
| CA 2359114   | AA   | 20000727 | CA 2000-2359114 | 20000121    |
| EP 1150997   | A1   | 20011107 | EP 2000-911618  | 20000121    |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO   |      |          |                 |             |
| US 6436904   | B1   | 20020820 | US 2000-489589  | 20000121    |
| US 2003027850  | A1   | 20030206 | US 2002-139370  | 20020507    |
| US 6949570   | B2   | 20050927 |                 |             |
| HK 1044549   | A1   | 20050527 | HK 2002-106216  | 20020823    |
| PRIORITY APPLN. INFO.:   |      |          | US 1999-183055P | P 19990125  |
|  |      |          | US 1999-237473  | A1 19990125 |
|  |      |          | US 2000-489589  | A3 20000121 |
|  |      |          | WO 2000-US1603  | W 20000121  |

OTHER SOURCE(S): MARPAT 133:129895

IT 286454-56-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT  
(Reactant or reagent); USES (Uses)

(VLA-4-mediated leukocyte adhesion inhibitors, preparation, and therapeutic  
use)

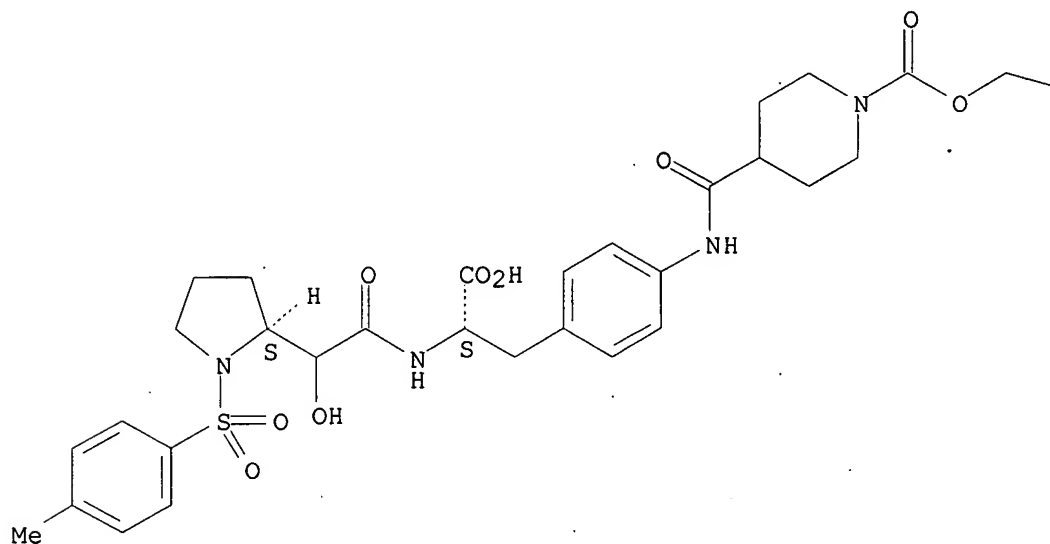
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RN 286454-56-6 HCAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[[4-[(2S)-2-carboxy-2-[[hydroxy[(2S)-1-[(4-methylphenyl)sulfonyl]-2-pyrrolidinyl]acetyl]amino]ethyl]phenyl]amino]carbonyl]-, 1-(phenylmethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

Ph

IT 286454-57-7P

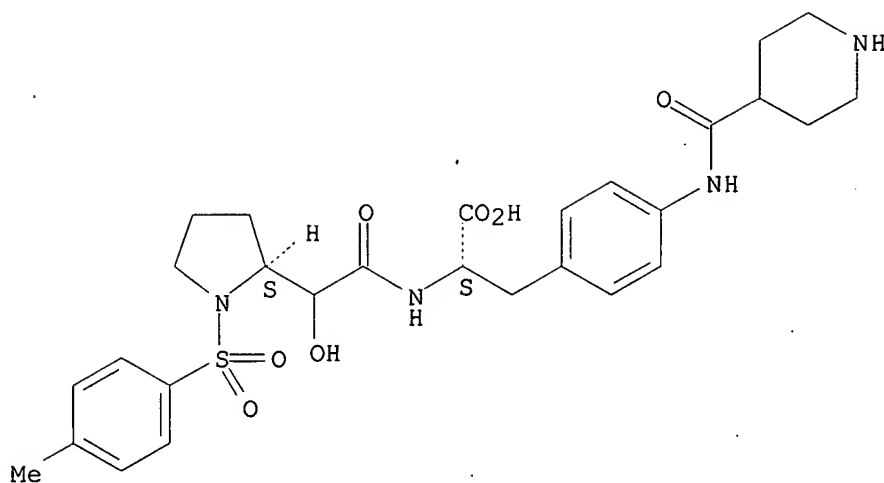
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(VLA-4-mediated leukocyte adhesion inhibitors, preparation, and therapeutic use)

RN 286454-57-7 HCAPLUS

CN L-Phenylalanine, N-[hydroxy[(2S)-1-[(4-methylphenyl)sulfonyl]-2-pyrrolidinyl]acetyl]-4-[(4-piperidinylcarbonyl)amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

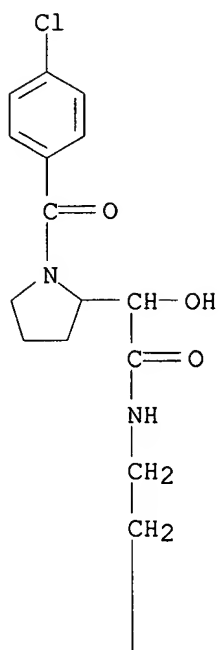
L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1995:794892 HCAPLUS  
 DOCUMENT NUMBER: 124:9442  
 TITLE: Preparation of novel pyrrolidine derivative as prolyl endopeptidase inhibitor  
 INVENTOR(S): Takeuchi, Tomio; Aoyagi, Takaaki; Muraoka, Yasuhiko; Tsuda, Makoto  
 PATENT ASSIGNEE(S): Zaidan Hojin Biseibutsu KK, Japan  
 SOURCE: PCT Int. Appl., 187 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE       |
|--|------|----------|-----------------|------------|
| WO 9503277   | A1   | 19950202 | WO 1994-JP1208  | 19940722   |
| W: CN, JP, KR, US  |      |          |                 |            |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE |      |          |                 |            |
| EP 709373  | A1   | 19960501 | EP 1994-921799  | 19940722   |
| EP 709373  | B1   | 20011017 |                 |            |
| R: DE, FR, GB, IT  |      |          |                 |            |
| US 5756763   | A    | 19980526 | US 1996-581507  | 19960111   |
| US 5965556   | A    | 19991012 | US 1998-19535   | 19980205   |
| PRIORITY APPLN. INFO.:   |      |          | JP 1993-182930  | A 19930723 |
|  |      |          | WO 1994-JP1208  | W 19940722 |

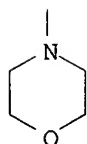
OTHER SOURCE(S): MARPAT 124:9442  
 IT 167852-93-9P 167852-94-0P 167852-97-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate for preparation of N-(aminoacyl)- and N-acylpyrrolidine derivative  
 as prolyl endopeptidase inhibitor)  
 RN 167852-93-9 HCAPLUS  
 CN 2-Pyrrolidineacetamide, 1-(4-chlorobenzoyl)- $\alpha$ -hydroxy-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)



PAGE 1-A

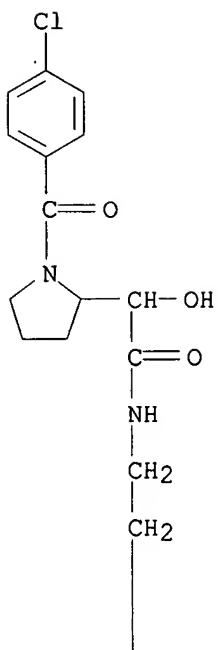


PAGE 2-A

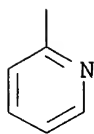


RN 167852-94-0 HCAPLUS  
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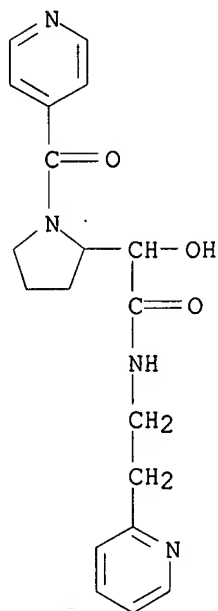
PAGE 1-A



PAGE 2-A



RN 167852-97-3 HCAPLUS  
CN 2-Pyrrolidineacetamide,  $\alpha$ -hydroxy-1-(4-pyridinylcarbonyl)-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



=> d ibib hitstr 4

L4 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1994:107698 HCAPLUS

DOCUMENT NUMBER: 120:107698

TITLE: A new method for the solid phase synthesis of hydroxyethylamine peptide bond isosteres: synthesis of a HIV-1 protease inhibitor and of a  $\beta$ -casomorphin-5 analog

AUTHOR(S): Tourwe, D.; Piron, J.; Defreyn, P.; Van Binst, G.

CORPORATE SOURCE: Eenheid Org. Chem., Vrije Univ. Brussel, Brussels, B-1050, Belg.

SOURCE: Tetrahedron Letters (1993), 34(34), 5499-502

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 120:107698

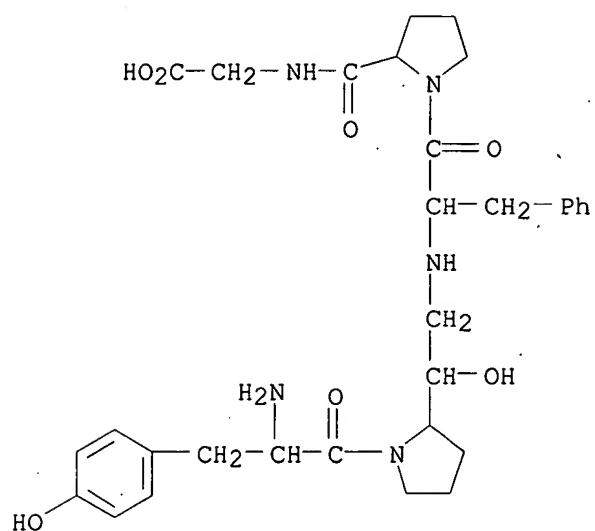
IT 152683-80-2P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 152683-80-2 HCAPLUS

CN Glycine, N-[1-[N-[2-[1-[2-amino-3-(4-hydroxyphenyl)-1-oxopropyl]-2-pyrrolidinyl]-2-hydroxyethyl]-L-phenylalanyl]-L-prolyl]-, [2S-[1(R\*),2R\*(S\*)]]- (9CI) (CA INDEX NAME)

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=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

13.72

175.26

STN INTERNATIONAL LOGOFF AT 09:22:05 ON 11 NOV 2005